

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lee et al.

Patent No.: 150.0056 0104

01-18-02

A

METHOD AND COMPOSITION FOR SELECTIVELY ETCHING AGAINST COBALT SILICIDE

Assistant Commissioner for Patents

ATTN: Box **PATENT APPLICATION**

Washington, D.C. 20231

10/050639
10/15/02

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

☒ **UTILITY PATENT APPLICATION** including:

☒ Specification (30 consecutively numbered pgs, including 75 claims on 14 consecutively numbered pgs and a 1 pg Abstract);

☒ Drawings (10 figures on 6 sheets);

☒ A signed Declaration and Power of Attorney (2 pgs) as previously filed in the prior application.

☒ Application Data Sheet (2 pgs).

☒ An itemized return postcard.

☒ An Information Disclosure Statement (2 pgs); copies of 2 applications; 1449 forms (2 pgs); and copies of 0 documents cited on the 1449 forms.

☐ An Assignment of the invention to ___ and Recordation Form Cover Sheet.

☐ A check in the amount of \$40.00 to pay the Assignment Recording Fee.

☒ A certified copy of a ___ application, Serial No. __, filed ____, the right of priority of which is claimed under 35 U.S.C. §119.

☐ Computer readable form of "Sequence Listing." Applicants state that the paper copy form of the "Sequence Listing" section of the present application, and the computer readable form submitted herewith, are the same.

☒ Other: Request for Filing a Continuation Application Under Rule §1.53(b) and Preliminary Amendment (3 pgs).

☒ A check in the amount of \$920 to pay the filing fee, which is calculated below:

| APPLICATION FILING FEE | | | | | |
|---|------------------------------|---|------------------------------|----------------------|--------------|
| | Number of Pending Claims (1) | Claims Included in Basic Filing Fee (2) | Number of Extra Claims (1-2) | Cost per Extra Claim | Fee Required |
| Total Claims | 30 | 20 = | 10 | x \$18 = | \$180 |
| Independent Claims | 3 | 3 = | -- | x \$84 = | -- |
| One or More Multiple Dependent Claims Presented? If Yes, Enter \$280 Here → | | | | | -- |
| Enter Basic Filing Fee (Utility Patent \$740) Here → | | | | | \$740 |
| Total Application Filing Fee | | | | | \$920 |

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

By: *Mark J. Gebhardt*

Name: Mark J. Gebhardt

Reg. No.: 35,518

Direct Dial: 612-305-1216

Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10:

"Express Mail" mailing label number: EL888270608US

Date of Deposit: 15 January 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, ATTN: Box PATENT APPLICATION, Washington, D.C. 20231.

By: *Jacquelyn K. Torborg*
Name: **JACQUELYN K. TORBORG**

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

Filed: Herewith

Title: METHOD AND COMPOSITION FOR SELECTIVELY ETCHING AGAINST COBALT SILICIDE

8. X The filing fee is calculated below:

| CLAIMS AS FILED | | | |
|------------------------------------|--------------|-------|--------------------|
| NUMBER FILED | NUMBER EXTRA | RATE | BASIC FEE \$740 |
| Total Claims 30-20 = | 10 | \$18 | \$180 |
| Independent Claims 3-3 = | -- | \$84 | \$-- |
| MULTIPLE DEPENDENT CLAIM PRESENTED | | \$280 | \$-- |
| FILING FEE: | | | \$920 |

9. X A check in the amount of \$920 is attached.

10. X The Commissioner is hereby authorized to charge any additional fees as set forth in 37 CFR §1.16 to 1.18 which may be required by this paper or credit any overpayment to Account No. 13-4895.

11. This application is being filed by less than all of the inventors named in the prior application. Please delete the names of the following inventor(s) who are not inventors of the invention claimed in the present application:

12. X Amend the specification by inserting as the first sentence on page 1, the following: -- This is a continuation of application Serial No. 09/560,268, filed 26 April 2000, (pending), which is a divisional of application Serial No. 08/914,935, filed 20 August 1997, (issued as U.S. Patent No. 6,074,960) which are all incorporated herein by reference.--

13. Priority of foreign application Serial No. , filed on in (country) is claimed under 35 U.S.C. §119.

14. X The prior application is assigned of record to Micron Technology, Inc.

15. X The Power of Attorney in the prior application is to:

Mark J. Gebhardt
 Muetting, Raasch & Gebhardt, P.A.
 P.O. Box 581415
 Minneapolis, MN 55458-1415

Filed: Herewith

Title: METHOD AND COMPOSITION FOR SELECTIVELY ETCHING AGAINST COBALT SILICIDE

Customer Number 26813

Address all future communications to:

MUETING, RAASCH & GEBHARDT, P.A.

P.O. Box 581415

Minneapolis, Minnesota 55458-1415

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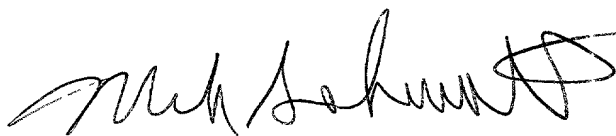
Attn: Mark J. Gebhardt

(Telephone: 612-305-1220)

(Facsimile: 612-305-1228)

Date:

15 Jan 2002



Mark J. Gebhardt

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Date of Deposit 15 January 2002

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Name:

Jacquelyn K. Torborg
JACQUELYN K. TORBORG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | | |
|---------------|----------------------------|----------|--------------------|------------------|
| Docket Number | Anticipated Classification | | Prior Application | |
| 150.0056 0104 | Class | Subclass | Examiner D. Deo | Art Unit 1765 |

**REQUEST FOR FILING A CONTINUATION APPLICATION
UNDER RULE §1.53(b) AND PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents
Attn: Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

This is a request for filing a continuation application under 37 CFR §1.53(b) of Serial No. 09/560,268, filed on 26 April 2000, entitled COMPOSITION FOR SELECTIVELY ETCHING AGAINST COBALT SILICIDE (As Amended) by the following inventor(s) (name, address, and citizenship):

1. Whonchee Lee
Address: 493 South Browning Avenue
Boise, Idaho 83709
Citizenship: United States of America

2. Yongjun Jeff Hu
Address: 2571 South Culpeper Avenue
Boise, Idaho 83709
Citizenship: Peoples Republic of China

1. ☐ Enclosed is a copy of the specification (including claims, abstract, and drawings) as filed in the prior application.
2. ☒ Enclosed is a new specification (including claims and abstract). The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.
3. ☒ Enclosed is a copy of the Declaration and Power of Attorney filed in the prior application.
4. ☐ Enclosed is a newly executed Declaration and Power of Attorney.
5. ☒ Enclosed are drawings (6 sheets).
6. ☒ Cancel in this application claims 1-45 before calculating the filing fee. (At least one independent claim must be retained for filing purposes.)
7. ☐ A preliminary amendment is enclosed.